

Fig. 1

CCACCGGTGAGCTGCAGATCGTTGACAAGATCGATGCTGCCTTCAAGATCGAGCCACC 600
 P T G E L Q I V D K I D A A F K I A A T
 145 150 155 160
 CCGCCAAACGGCGCCCCACCAACGATAAGTTACCGTCTTCGAGAGTGCCCTTCAACAAG 660
 A A N A A P T N D K F T V F E S A F N K
 165 170 175 180
 CCTCAATGAGTGACGGCGCGCCTATGAGACCTACAAGTTCAATCCCTCCCTCGAG 720
 A L N E C T G G A Y E T Y K F I P S L E
 185 190 195 200
 CCGCGGTCAAGCAGGCCCTACGCCGCCACCGTCGCCGCCGCCGAGGTCAAGTACGCC 780
 A A V K Q A Y A A T V A A A P E V K Y A
 205 210 215 220
 TCTTTGAGGCGCGCTGACCAAGGCCATCACCGCCATGACCCAGGCACAGAGGCCGGC 840
 V F E A A L T K A I T A M T Q A Q K A G
 225 230 235 240
 AACCCGCTGCCGCGCTGCCACAGCGCGCAACCGTTGCCACCGCGCGCCGCAACCGCC 900
 K P A A A A T G A A T V A T G A A T A
 245 250 255 260
 CCGCGGTGCTGCCACCGCGCTGCTGGTGCTACAAAGCCTGATCAGCTTGCTAATAT 960
 A A G A A T A A G G Y K A *
 265 270 275
 CTACTGAACGTATGTGATGATCCGGCGCGGAGTGGTTTGTGATAATTAATC 1020
 TCGTTTTCGTTTCATGCAGCCGCGATCGAGAGGGCTTGCTGCTGTAATAATCAATA 1080
 TTTTCATTTCTTTTGAATCTGTAAATCCCCATGACAAAGTAGTGGATCAAGTCGGCAT 1140
 TATCACCGTTGATCGGAGTTAACGATGGGGAGTTTATCAAGAATTATTTATAAAAA 1200
 AAAAAAAAAAAAAAAAAAAAAA 1229

Fig. 1 cont.

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LIX-1 ADAGYTXAAAATXATXAATX
LIX-1.1 ADAGYTPAAAATPATPAATP
LIX-2 ATXATXAATXAAAAGGKATTD
LIX-2.1 ATPATPAATPAAAGGKATTD
LIX-3 AAAGGKATTDEQKLLEDVNA
LIX-4 EQKLLEDVNAGFKAAVAAAA
LIX-5 GFKAAVAAAAANAPPADKFKI
LIX-6 NAPPADKFKIFEAAFSESSK
LIX-7 FEAAFSESSKGLLATSAAKA
LIX-8 GLLATSAAKAPGLIPKLDTA
LIX-9 PGLIPKLDTAYDVAYKAAEG
LIX-10 YDVAYKAAEGATPEAKYDAF
LIX-11 ATPEAKYDAFVTALTEALRV
LIX-12 VTALTEALRVIAGALEVHAV
LIX-13 IAGALEVHAVKPATEEVPAA
LIX-14 KPATEEVPAAKIPTGELQIV
LIX-15 KIPTGELQIVDKIDAAFKIA
LIX-16 DKIDAAFKIAATAANAAPT
LIX-17 ATAANAAPTNDKFTVFESAF
LIX-18 DKFTVFESAFNKKALNECTGG
LIX-19 NKALNECTGGAYETYKFIPS
LIX-20 AYETYKFIPSLEAAVKQAYA
LIX-21 LEAAVKQAYAAATVAAAPEVK
LIX-22 ATVAAAPEVKYAVFEAALTK
LIX-23 YAVFEAALTKAITAMTQAQK
LIX-24 AITAMTQAQKAGKPAAAAAT
LIX-25 AGKPAAAAATGAATVATGAA
LIX-26 GAATVATGAATAAAGAATAA
LIX-27 TAAAGAATAAAGGYKA

X REPRESENTS HYDROXYPROLINE RESIDUE

Fig. 2

08/737904-112096

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PEPTIDE NAME	PEPTIDE SEQUENCE
LPI-1	IAKVPPGPNITA EYGDKWLD
LPI-1.1	IAKVXPGXNITA EYGDKWLD
LPI-2	TAEYGDKWLD AKSTWYGKPT
LPI-3	AKSTWYGKPT GAGPKDNGGA
LPI-4	GAGPKDNGGACGYKNVDKAP
LPI-4.1	GAGPKDNGGACGYKDVDKAP
LPI-5	CGYKDVDKAPFNGMTGCGNT
LPI-6	FNGMTGCGNTPIFKDGRGCG
LPI-7	PIFKDGRGCGSCFEIKCTKP
LPI-8	SCFEIKCTKPESCSGEAVTV
LPI-9	ESCSGEAVTVTITDDNEEPI
LPI-10	TITDDNEEPIAPYHFDLSGH
LPI-11	APYHFDLSGHAFGSMADDGE
LPI-11.1	APYHFDLSGHAFGSMAMKGE
LPI-12	AFGSMADDGEEQKLR SAGEL
LPI-12.1	AFGSMAMKGE EQKLR SAGEL
LPI-13	EQKLR SAGELELQFRRVKCK
LPI-14	ELQFRRVKCKYPDDTKPTFH
LPI-15	YPDDTKPTFHVEKASNP NYL
LPI-16	VEKASNP NYLAILVKYVDGD
LPI-16.1	VEKGSNP NYLAILVKYVDGD
LPI-17	AILVKYVDGDGDVVAVDIKE
LPI-18	GDVVAVDIKEKGKDKWIELK
LPI-19	KGKDKWIELKESWGAVWRID
LPI-20	ESWGAVWRIDTPDKLTGPFT
LPI-21	TPDKLTGPFTVRYTTEGGTK
LPI-22	VRYTTEGGTKSEVEDVIPEG
LPI-23	SEVEDVIPEGWKADTSYSAK

Fig. 3

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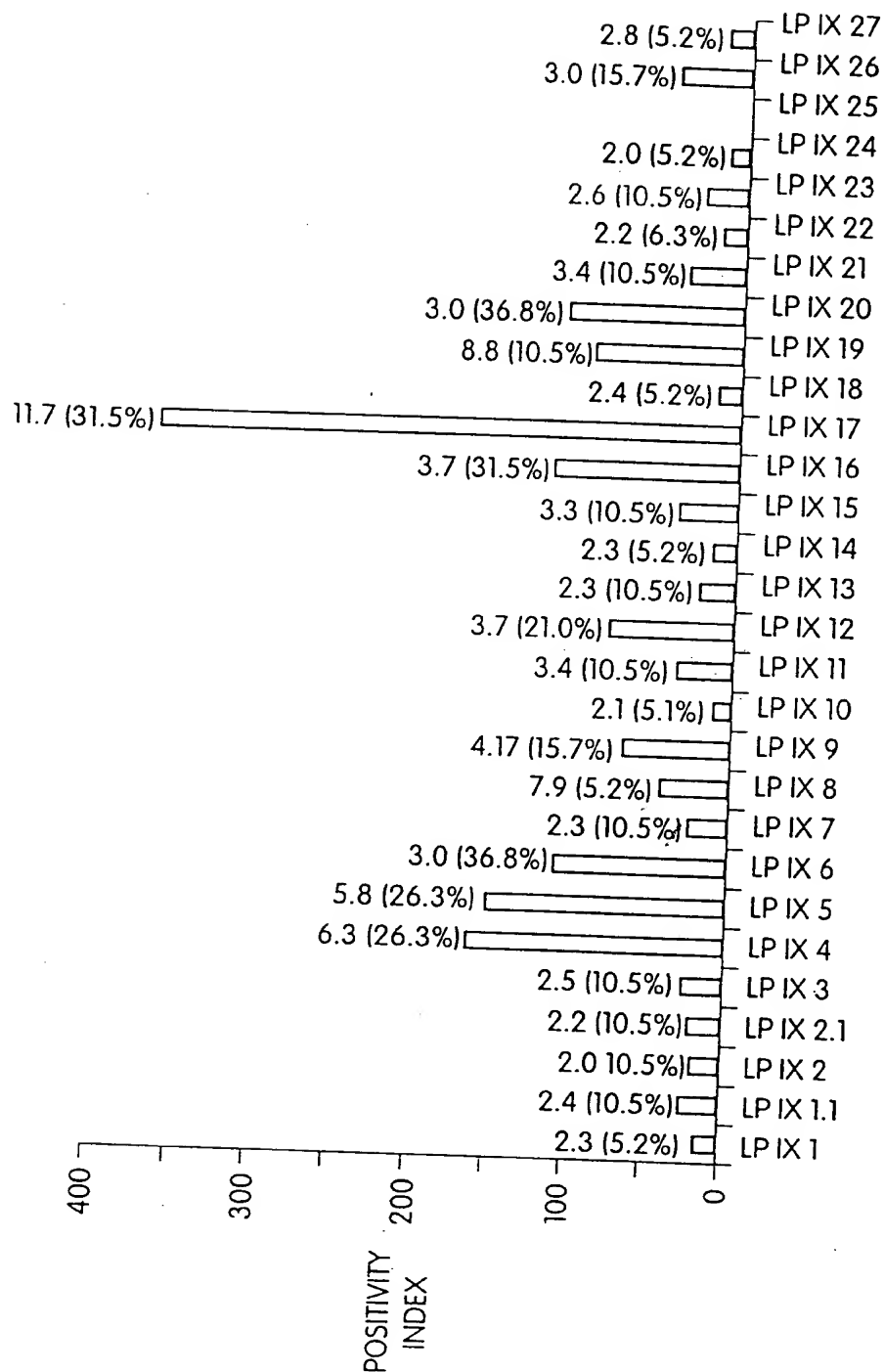


Fig. 4

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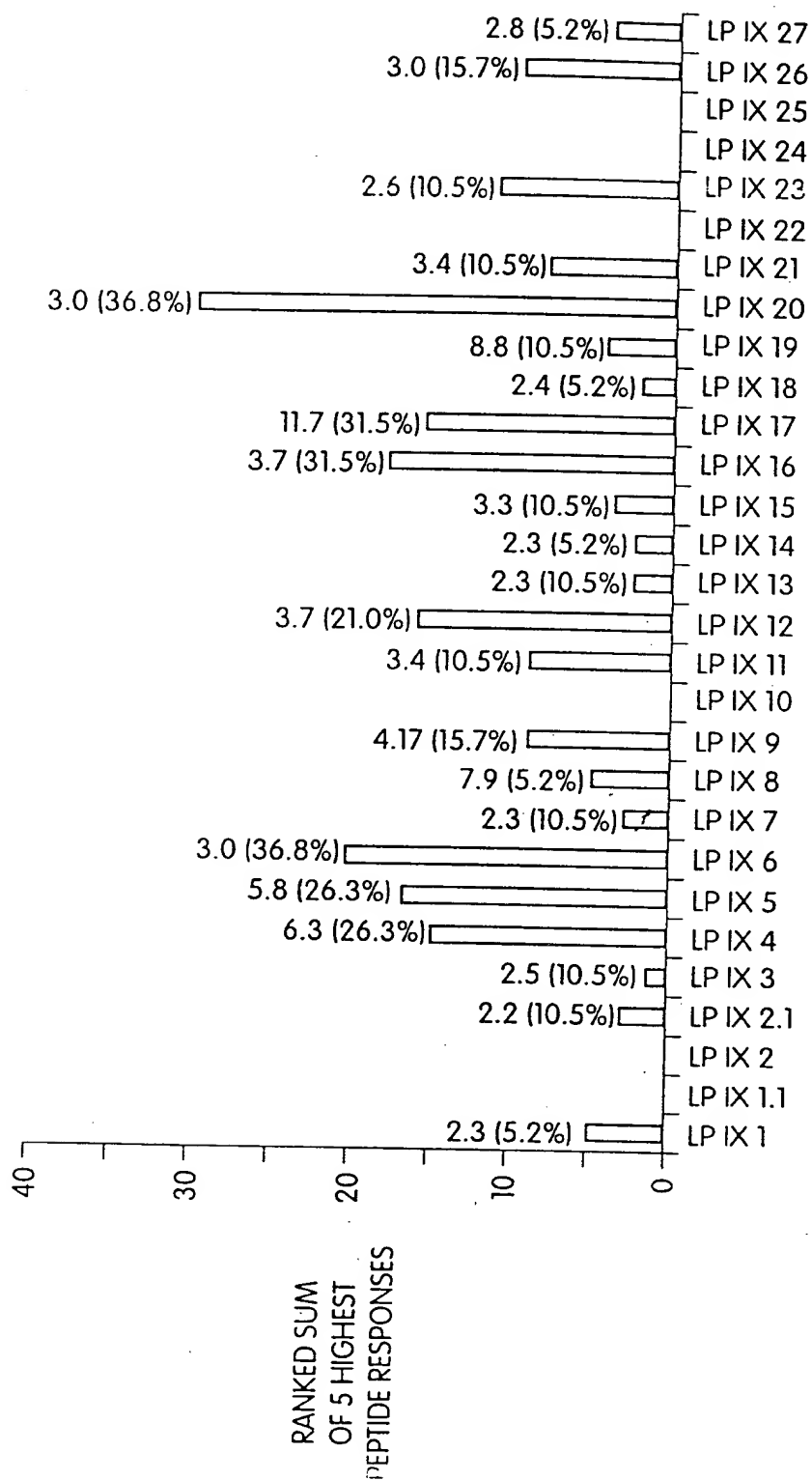


Fig. 5

08/737904 1106277

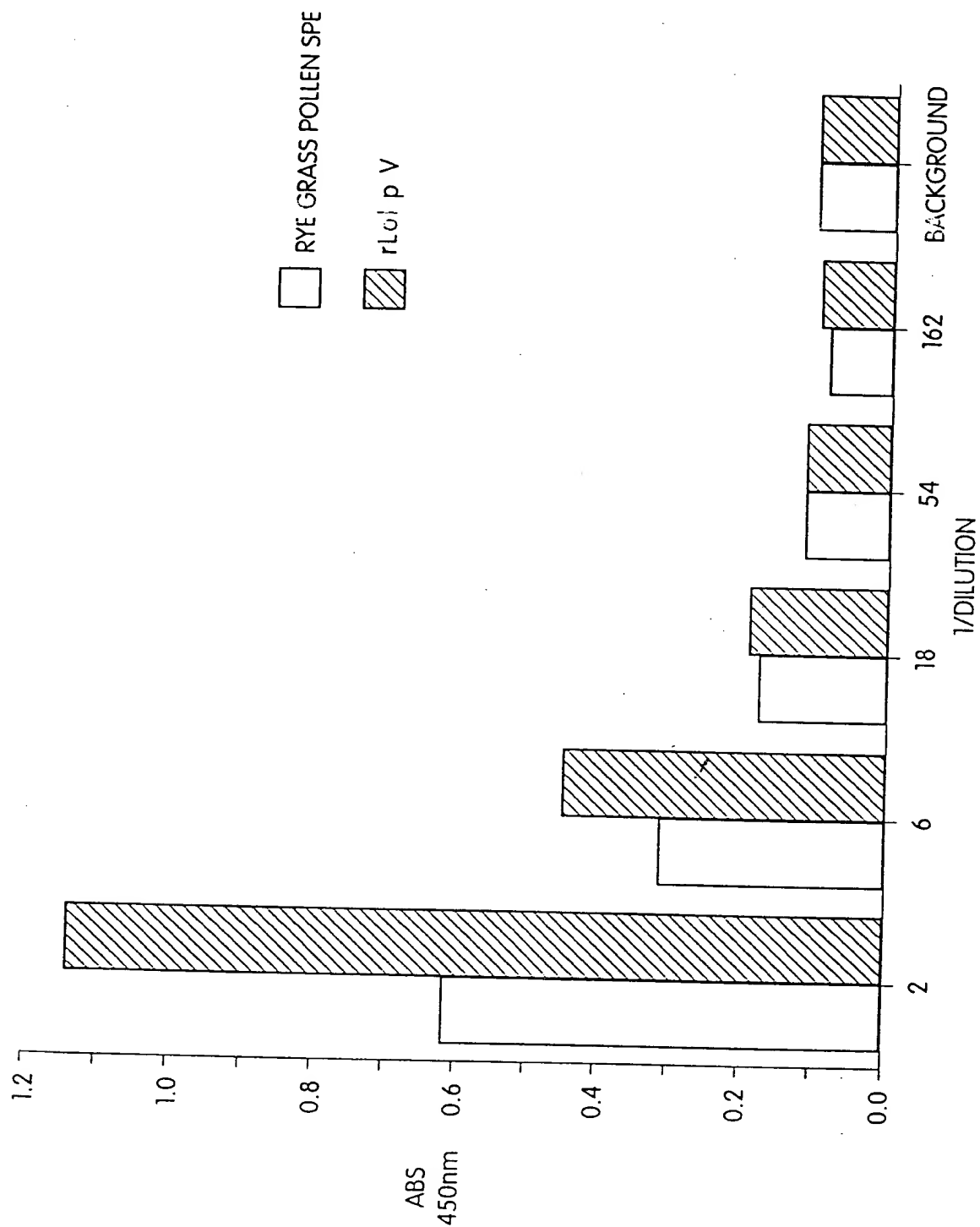


Fig. 6

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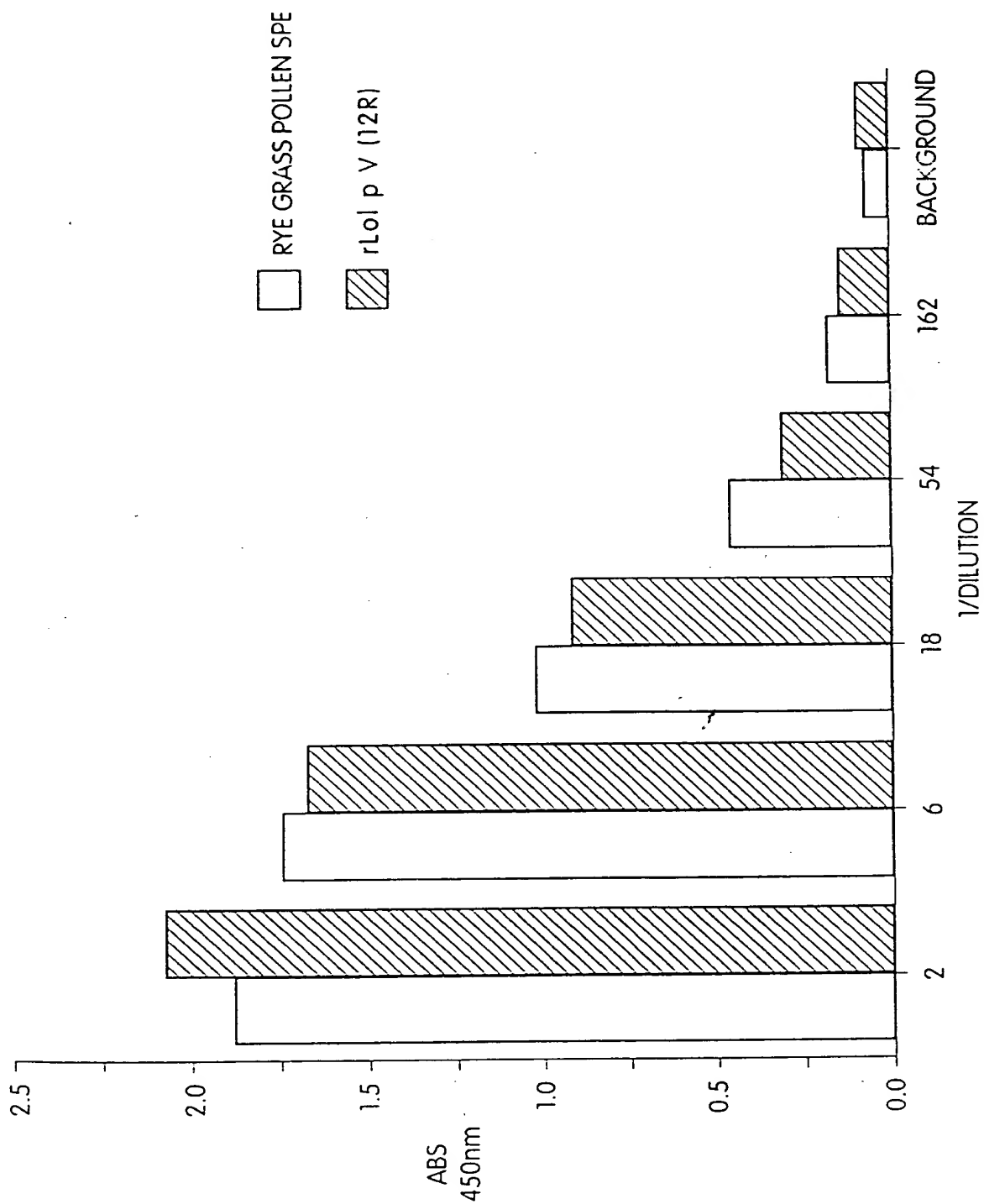


Fig. 7

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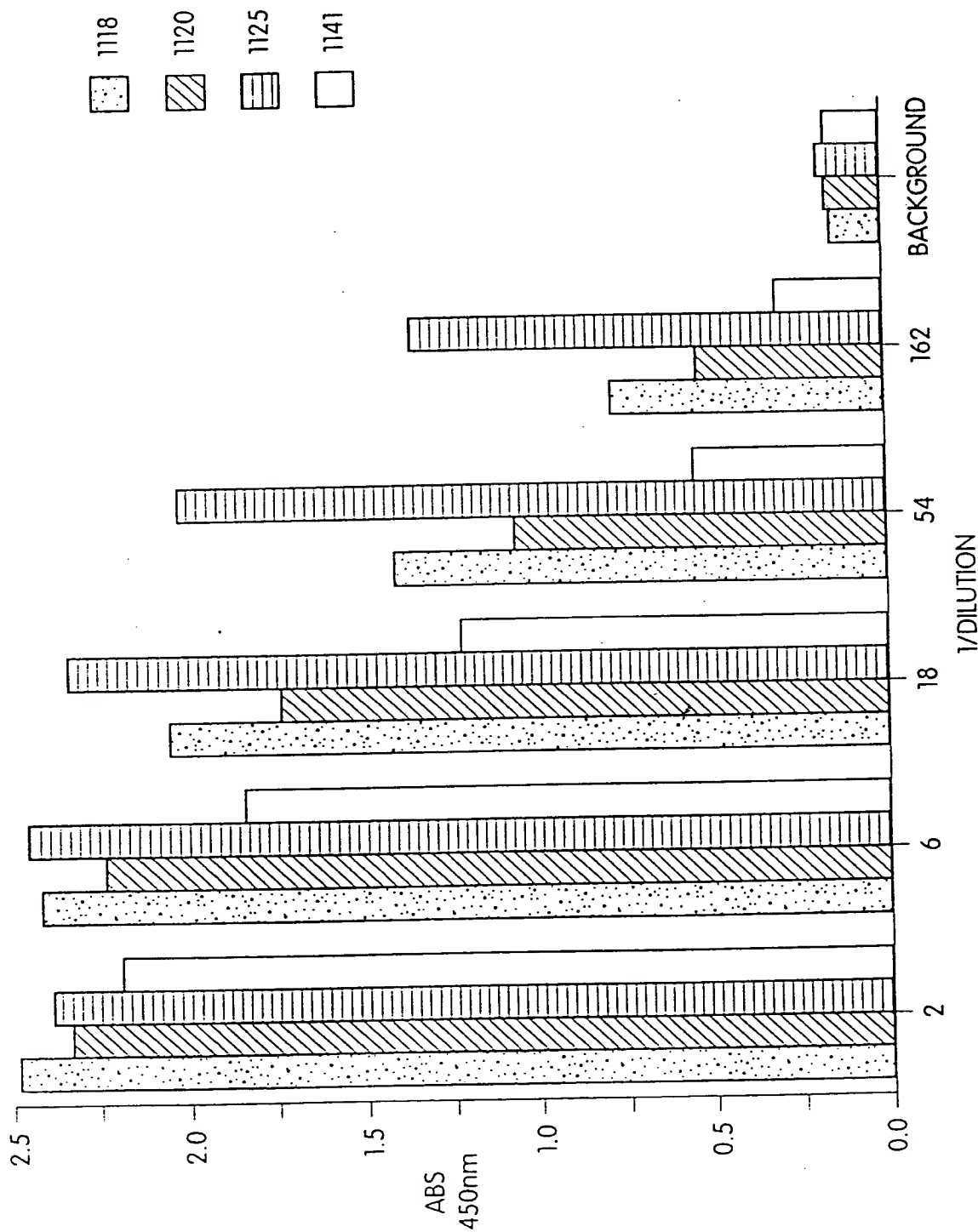


Fig. 8

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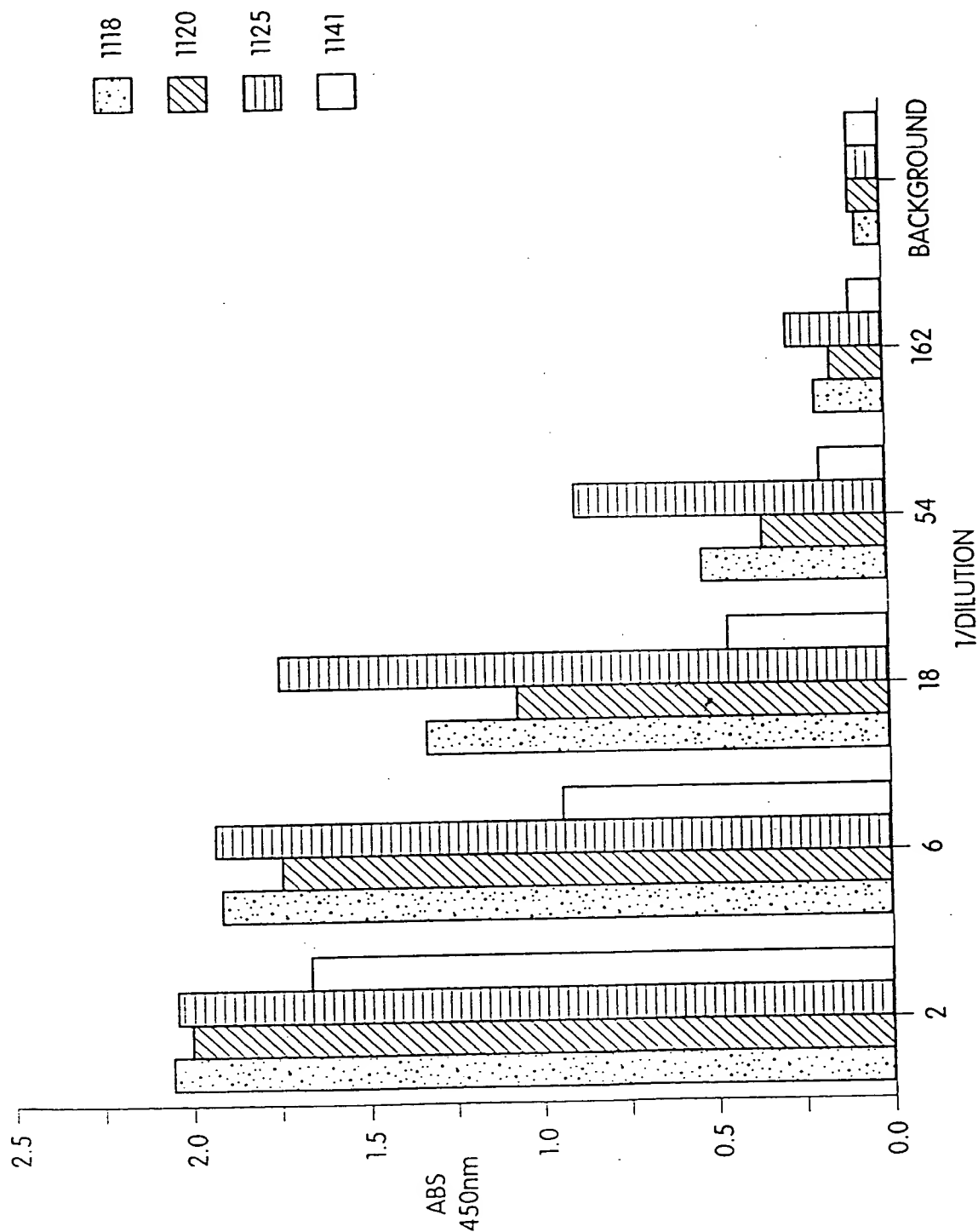


Fig. 9

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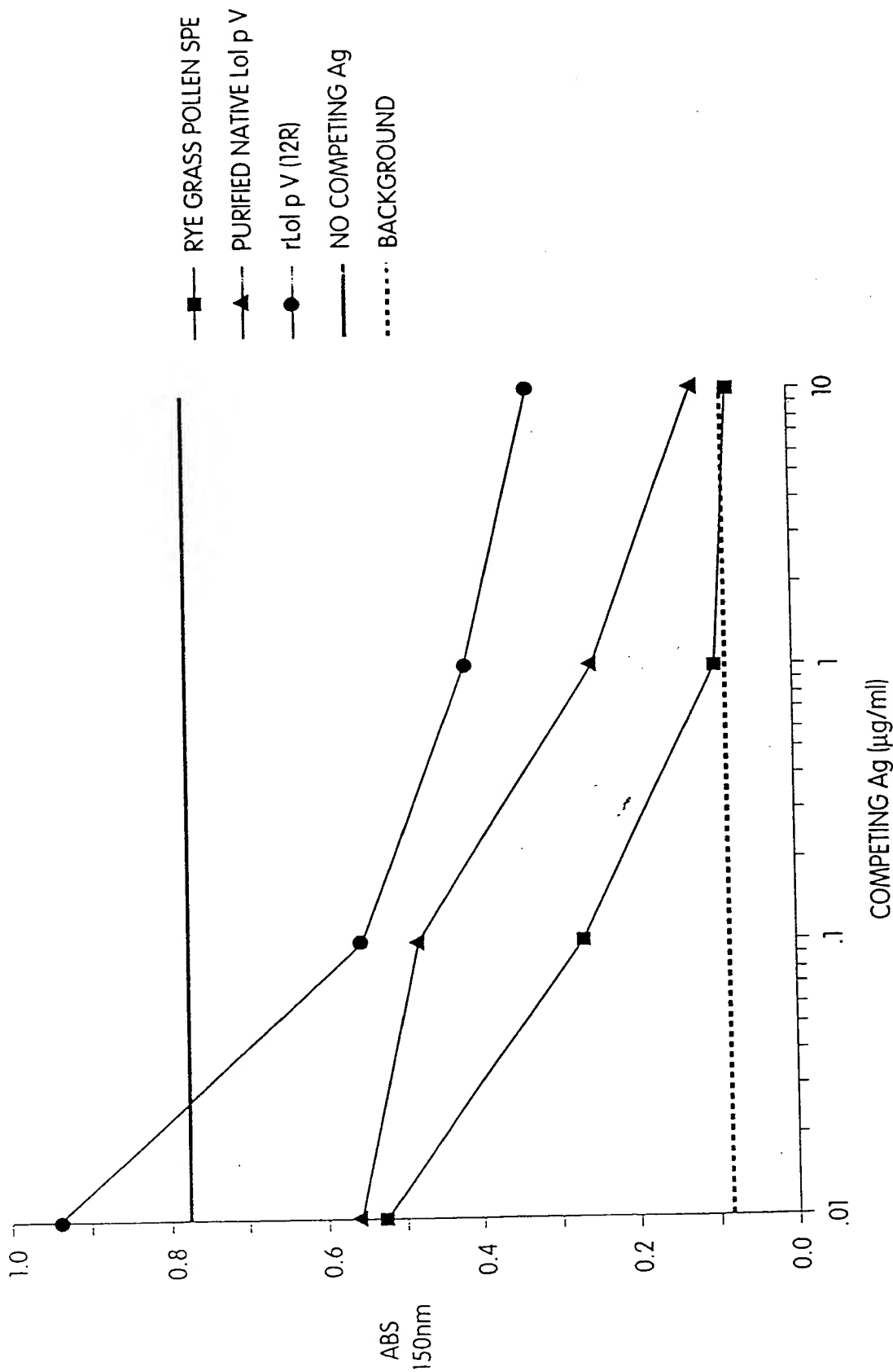


Fig. 10

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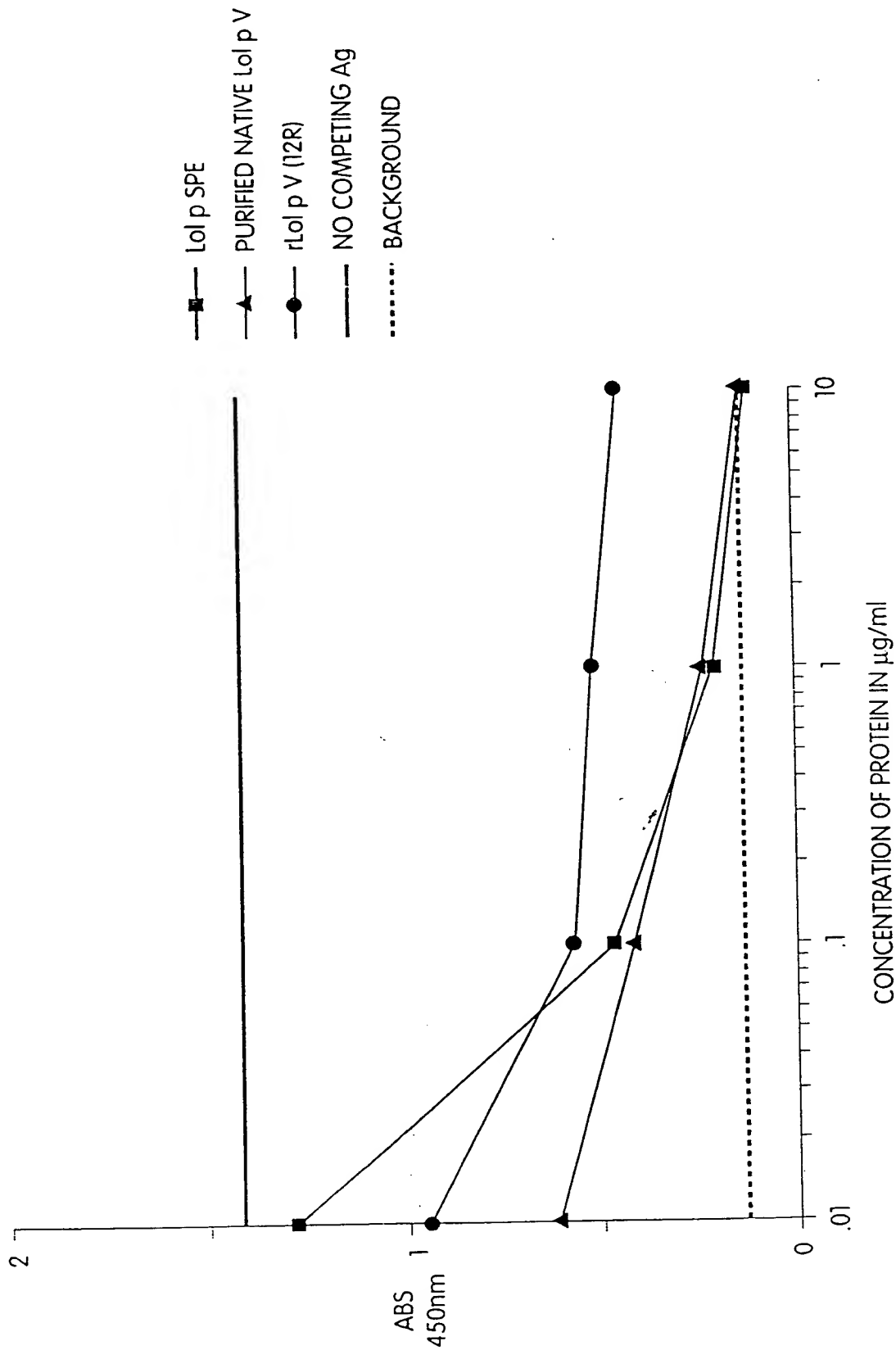


Fig. 11

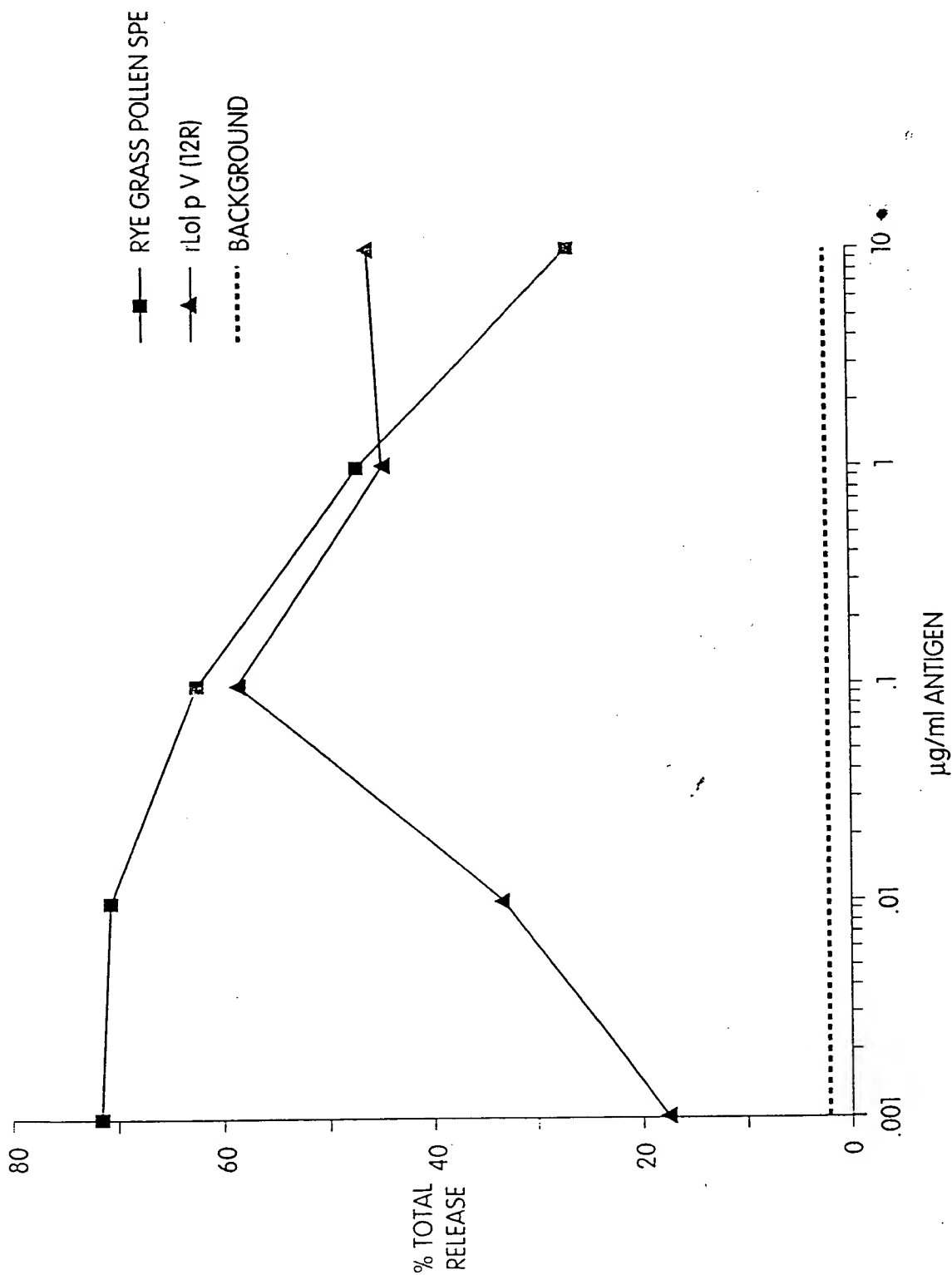


Fig. 12

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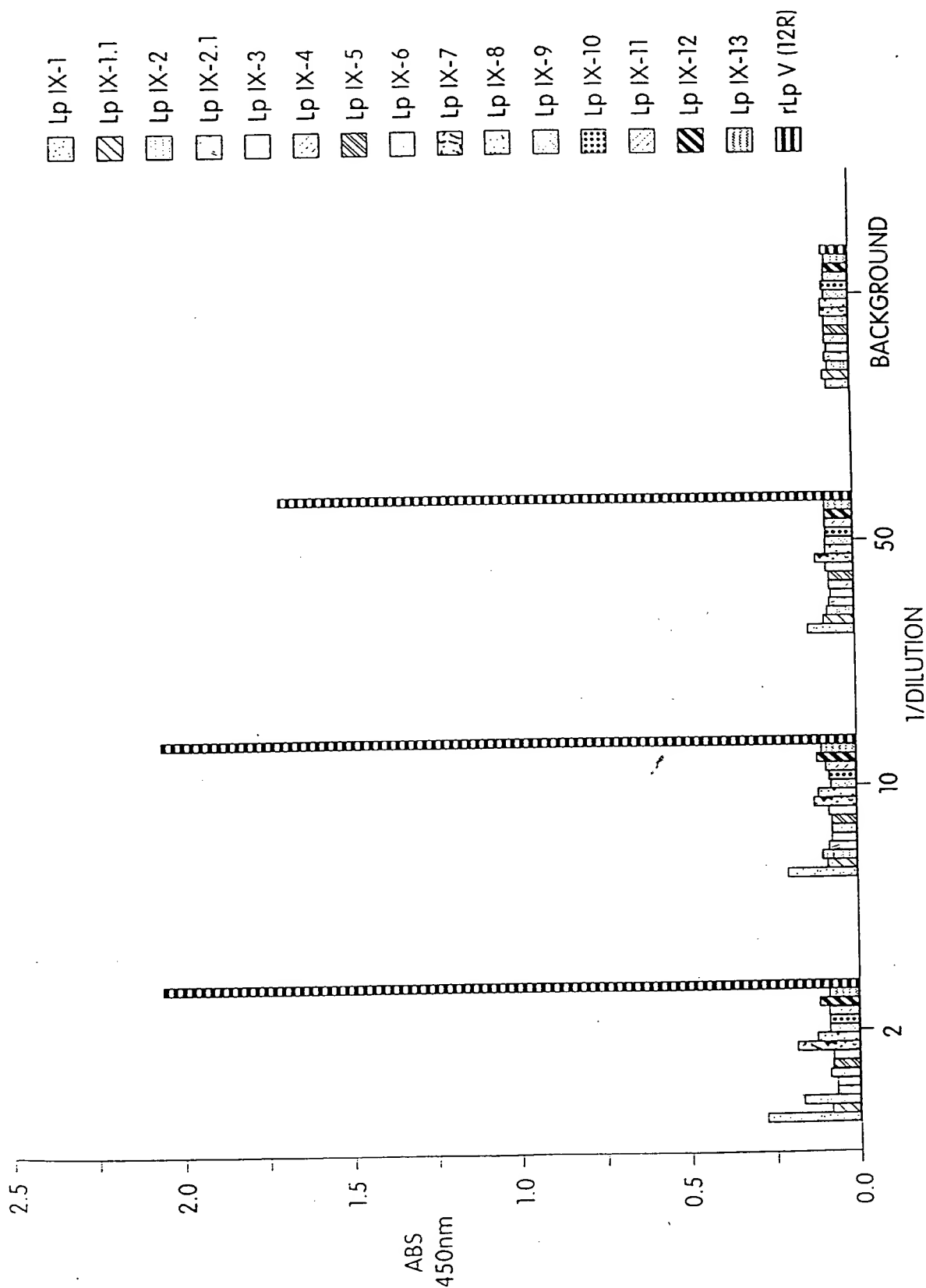


Fig. 13A

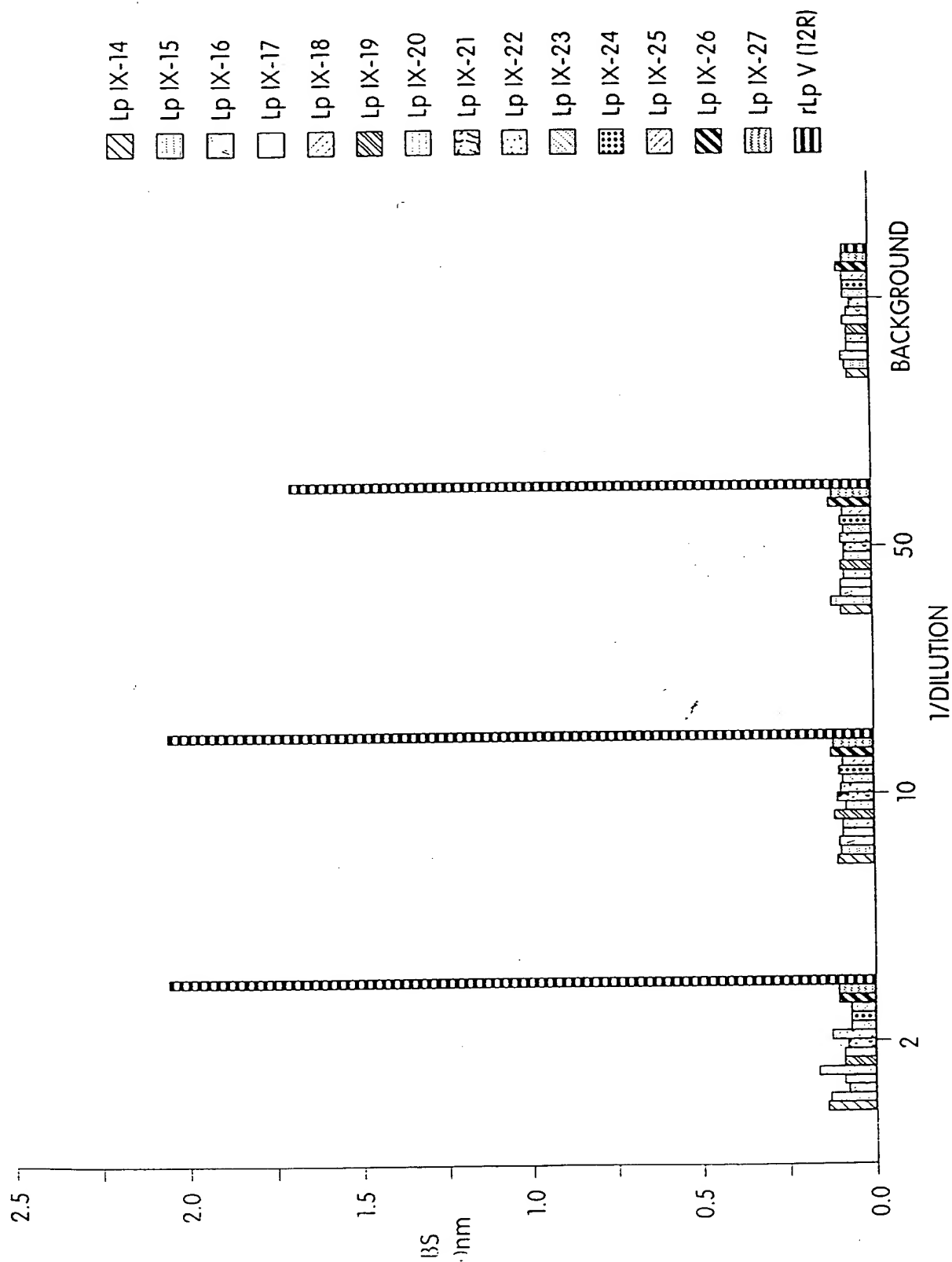


Fig. 13B

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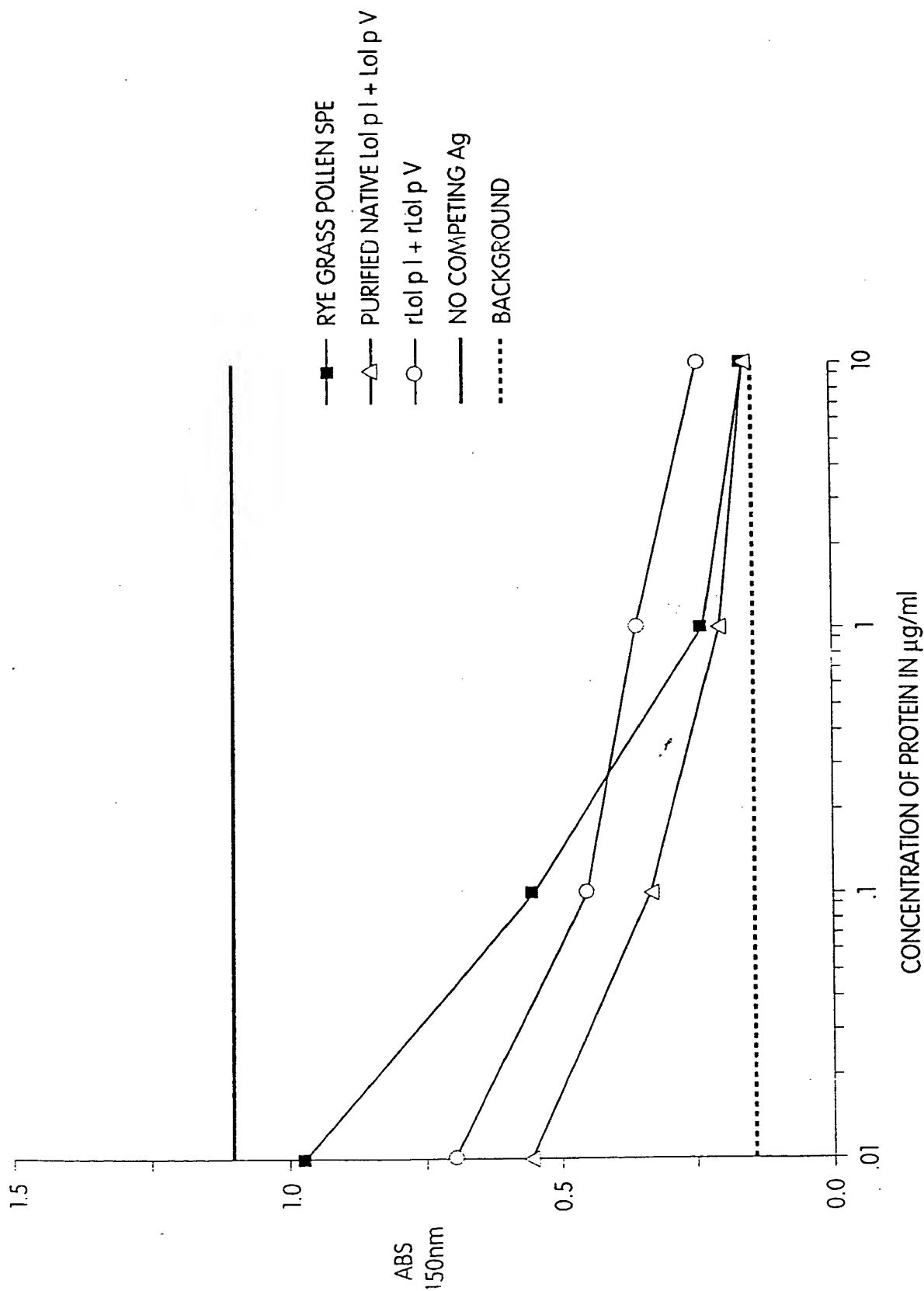


Fig. 14

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200 -
116.3 -
97.4 -
66.3 -
55.4 -
36.5 -
31.0 -
21.5 -

Fig. 15

08/737904-1064480

GAATTCGAGGATCCGGGTACCATGGCTCCGACAAACCAAGCAGAGCAATGGCA 58
M A
-24
TGCAGCAGTACACGGTGGCGCTGTTCTTCTGGCCGTGGCCCTCGTGTGGGCCCGCCTCC 118
V Q Q Y T V A L F L A V A S C R A R A S
-10
TACGCCGCGGACGCGGGCTACGCCCCCGCCACTCCCGCCACCCCGGCTACCCCGCGGCC 178
Y A A D A G Y A P A T P A T P A T P A A
10
CAGGCGCAGCGGTGCCAGCAGGAAGCGGGCGACCCGAGGAGCAGAAAGTGCAGAAG 238
P G A A V P A G K A A T E E Q K L I E K
20
ATCAACGCCGGCTTCAAGGCCCGCGGTGGCGCGCGCGGGCGGTCCCGCCAGGCGACAAG 298
I N A G F K A A V A A A A G V P P A D K
40
TACAAGACGTTCTCGTAAACCTTCGGCAAGGCCCTCCAACAAGCCTTCTGGGGACCTC 358
Y K T F V E T F G K A S N K A F L G D L
60
TCGACCAACTACGCCGATGTCAACTCCAGGGCCAGCTCACCTCGAAGCTCGACGCCGC 418
P T N Y A D V N S R A Q L T S K L D A A
80
TACAAGCTGCCCTACGACGCCCGCCAGGGCGCCACCCCGAGGCCAAGTACGACGCCTAC 478
Y K L A Y D A A Q G A T P E A K Y D A Y
100

Fig. 16

538 TCGCCACCCCTCAGCGAGGCGCTCCGCATCATCGCCGGCACCCCTCGAGGTCACGCCGTC
 V A T L S E A L R I I A G T L E V H A V
 120
 598 AGCCCGCTGCCGAGGAGGTCAAGCCCTATCCCGCCGGAGAGCTGCAGATCGTCGACAAG
 K P A A E E V K P I P A G E L Q I V D K
 140
 658 TTGACGTGCGCCTTCAGAACTGCCGCCACCGCCGCCAAGCGCCGCCCAACGACAAG
 I D V A F R T A A T A A N A A P T N D K
 160
 718 TCACCGTATTCGAGACCACTTTAAAGGCCATCAAGGAGAGCAGCGGGCGGCACCTAC
 F T V F E T T F N K A I K E S T G G T Y
 180
 778 AGAGCTACAAGTTCATCCACCCCTTGAGCGCCGCGTTAAGCAGGCTACGCCGCCACC
 E S Y K F I P T L E A A V K Q A Y A A T
 200
 838 TCGCATCCGGCGGAGGTCAAGTACGCCGCTTTGAGACCGCGCTGAATAAGCGGTC
 V A S A P E V K Y A V F E T A L K K A V
 220
 898 CCGCCATGTCGAGGCCAGGAAGCAAGCCCGCCGCCACCCCGACCCCGGCCACC
 T A M S E A Q K E A K P A T A T P T P T
 240
 250

Fig. 16 cont.

CAACTGCCGCGCGGTGGCCACCAAGCCGCCCGCTCGCTGGTGGCTACAAA 958
 A T A A A A V A T N A A P V A A G G Y K
 260 270
 TCTGATCAACTCGCTAGCAATATACACATCCATCATGCACATATAGAGCTGTGTATGTA 1018
 I *
 GTGCATGCATGCCGTGGCGCCGCAAGTTTGCTCATAATTAATTCTTGGTTTTCGTTG 1078
 TTGCATCCACGAGCGACCGAGCCCGTGATAGTCGCATGTGTATGTAATTTTCTCGAG 1138
 AATGTGTATATGTAATATATAATTGAGTACTAAAAA 1181

Fig. 16 cont.